

FIG. 1

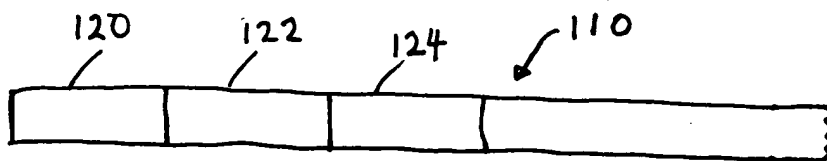
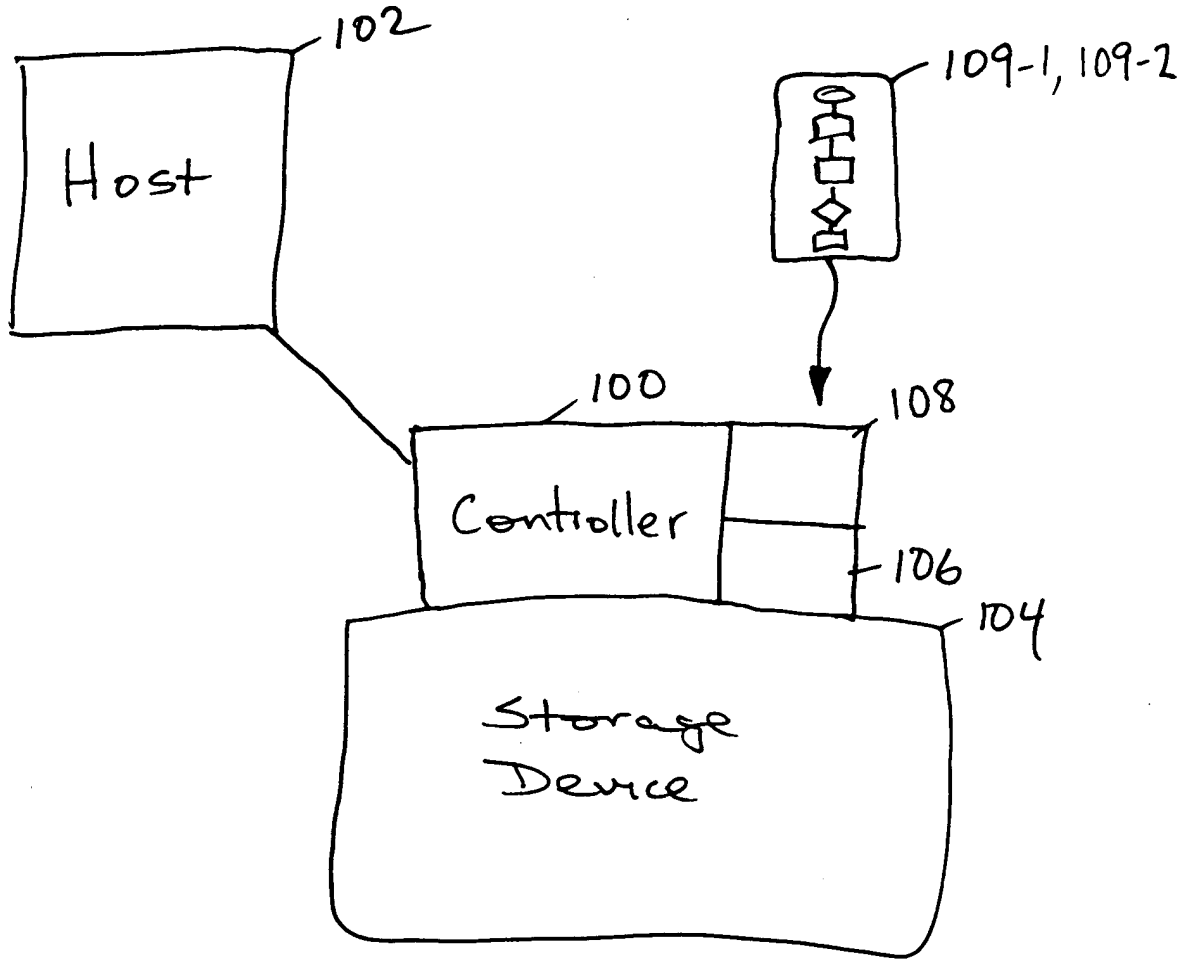


FIG. 3

104

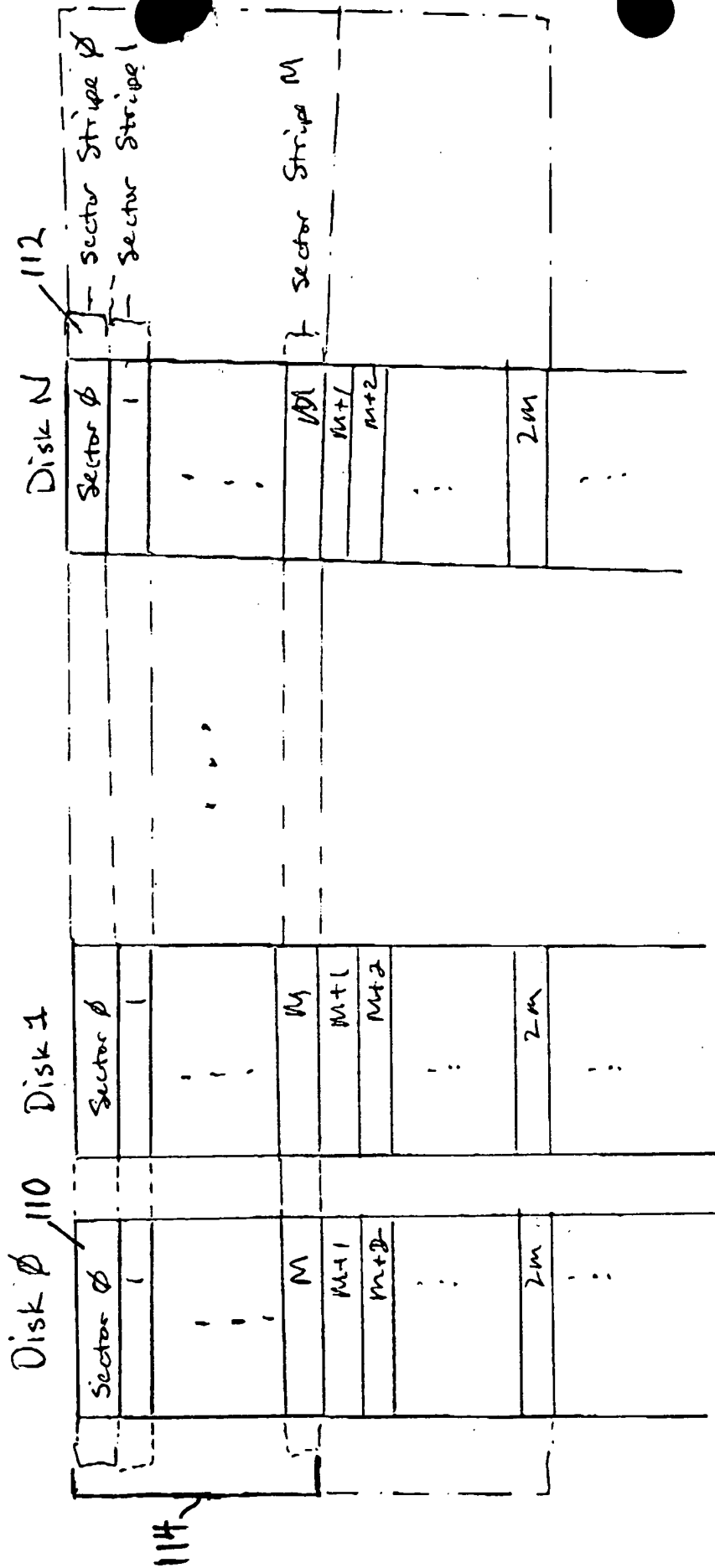


FIG. 2

109-1

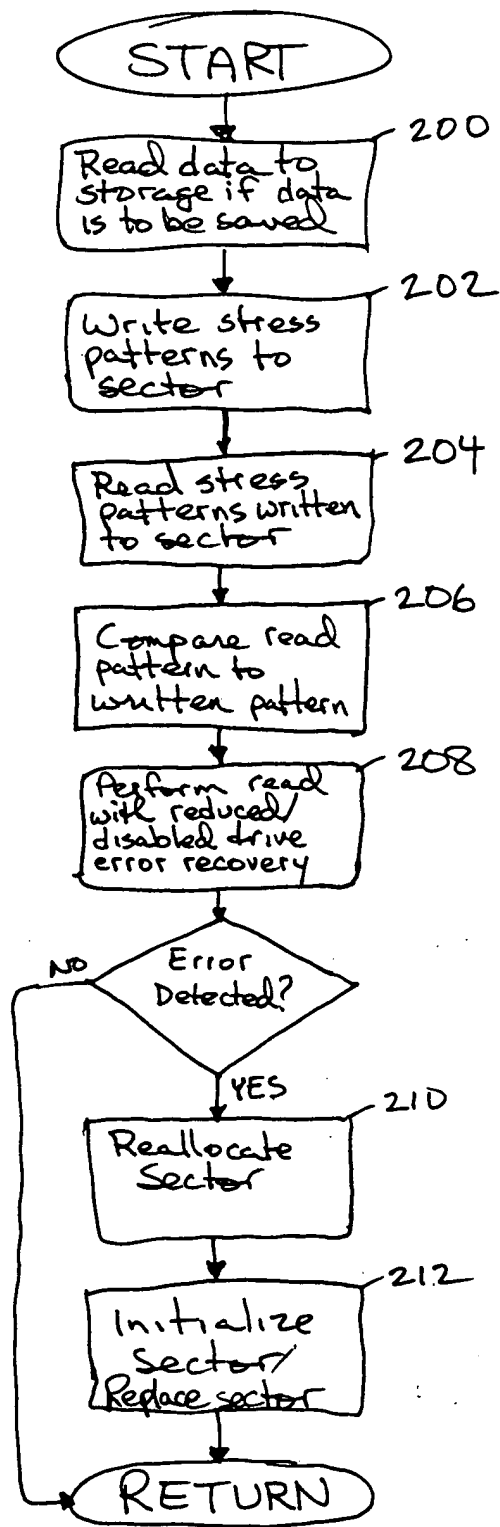


FIG. 4

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graph TD
    START([START]) --> 300[Read data from sectors]
    300 --> 302[Store data read from sectors]
    302 --> 304{Error detected during read?}
    304 -- NO --> 304[Write data read from sector back to sector]
    304 -- YES --> 306{Was error recoverable?}
    306 -- yes --> 307[Recreate data using RAID techniques]
    306 -- no --> 306[Invoke defect mgmt procedure/Reallocate]
    307 --> 306
    304[Write data read from sector back to sector] --> 308{Error detected during write?}
    308 -- YES --> 306
    308 -- NO --> Return([Return])
    306 --> 308[Initialize reallocated sector]
    308 --> 310[Replace defective sector]
    310 --> Return
  
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